## A. CLASSIFICATION OF SUBJECT MATTER IPC 7 841J29/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) IPC 7 B41J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ

C. DOCUME	ENTS CONSIDERED TO BE RELEVANT		
Category °	Citation of document, with Indication, where appropriate, of the re	elevant passages	Relevant to claim No.
Α	US 5 152 624 A (HAUSLAIB WOLFGAN 6 October 1992 (1992-10-06) column 3, line 46 -column 4, lin figure 1 column 4, line 51 - line 66; fig	e 2;	1-4, 12-17
A	US 2002/127041 A1 (HUGGINS ORVIL AL) 12 September 2002 (2002-09-1 page 2, left-hand column, paragr figure 5	2)	1,2,8, 13-17
A	WO 98 17475 A (BERTALAN JOHN ;CA S (US); ROWE JIMMY R (US); AXIOH 30 April 1998 (1998-04-30) abstract; figure 2	RTER JAMES M TRAN) -/	1,2,7,9, 13-17
X Furth	er documents are listed in the continuation of box C.	Patent family members are listed	in annex.
"A" docume consid "E" earlier of filing d "L" docume which in citation "O" docume other n "P" docume	nt which may throw doubts on priórity claim(s) or s cited to establish the publication date of another or other special reason (as specified) int referring to an oral disclosure, use, exhibition or	"T" later document published after the inte or priority date and not in conflict with cited to understand the principle or the invention  "X". document of particular relevance; the cannot be considered novel or cannot involve an inventive step when the do  "Y" document of particular relevance; the cannot be considered to involve an invocument is combined with one or more ments, such combination being obvious in the art.  "&" document member of the same patent	the application but early underlying the stairned invention be considered to current is taken alone lairned invention wentive step when the other such docusts to a person skilled
	actual completion of the international search	Date of mailing of the international sea	arch report
2	March 2004	15/03/2004	
Name and n	nailing address of the ISA  European Patent Office, P.B. 5818 Patentlaan 2  NL - 2280 HV Rijswijk  Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  Fax: (+31-70) 340-3016	Authorized officer Adam, E	



Internation pplicate No PCT/FR 03/02933

A US 1810 232 A (CHADIMA JR GEORGE E ET AL) 19 January 1993 (1993-01-19) column 4, line 3 - line 44; figure 2  A EP 0 813 97 A (SCITEX DIGITAL PRINTING INC.) 29 December 1997 (1997-12-29)  The whole document			PC1/FR 03/02933
A US 4 881 839 A (GRIMM THOMAS R) 21 November 1989 (1989-11-21) the whole document  A US 5 180 232 A (CHADIMA JR GEORGE E ET AL) 19 January 1993 (1993-01-19) column 4, line 3 - line 44; figure 2  A EP 0 813 974 A (SCITEX DIGITAL PRINTING INC) 29 December 1997 (1997-12-29)  1,2, 13-17			
21 November 1989 (1989-11-21) the whole document  A US 5 180 232 A (CHADIMA JR GEORGE E ET AL) 19 January 1993 (1993-01-19) column 4, line 3 - line 44; figure 2  A EP 0 813 974 A (SCITEX DIGITAL PRINTING INC) 29 December 1997 (1997-12-29)  13-17	Category •	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
AL) 19 January 1993 (1993-01-19) column 4, line 3 - line 44; figure 2  EP 0 813 974 A (SCITEX DIGITAL PRINTING INC) 29 December 1997 (1997-12-29)  13-17	A	21 November 1989 (1989-11-21)	1,2, 13-17
INC) 29 December 1997 (1997-12-29) 13-17	A	AL) 19 January 1993 (1993-01-19)	1·,2, 13-17
	A	INC) 29 December 1997 (1997-12-29)	1,2, 13-17

PCT/FR 03/02933

information on patent family members

Patent document	$\neg \tau$	Publication		Patent family		Dublication
cited in search report		date		member(s)		Publication date
US 5152624	Α	06-10-1992	DE	3934792	A1	25-04-1991
			ĀT	103243		15-04-1994
			DE	59005089		28-04-1994
			EP	0423910		24-04-1991
			ĴΡ	3133680		06-06-1991
US 2002127041	A1	12-09-2002	US	2001009627		26-07-2001
			US	6241407		05-06-2001
			US	2001012467		09-08-2001
			CA	2317102		16-03-2001
			DE	60003502		31-07-2003
			EP	1084851		21-03-2001
			EP	1264702	A2	11-12-2002
WO 9817475	Α	30-04-1998	CA	2269061	A1	30-04-1998
			ΕP	1011974	A1	28-06-2000
			WO	9817475		30-04-1998
US 4881839	Α	21-11-1989	NONE			
US 5180232	Α	19-01-1993	BE	1002234	A4	30-10-1990
			CA	1338049		13-02-1996
			CA	1339028		01-04-1997
			ES	2014740		16-07-1990
			GB	2221426		. 07-02-1990
			IT	1230308	R	18-10-1991
			ີ່ເບັ່	87552		26-10-1989
			CA	1340450		16-03-1999
			US	5488575		30-01-1996
			US	5872354		
			US	5872354 5790536		16-02-1999
			US			04-08-1998
				5617343		01-04-1997
			US	5331580		19-07-1994
			US	5625555		29-04-1997
			US	5834753		10-11-1998
			US	5694318		02-12-1997
			US	5680334		21-10-1997
			US	5726984		10-03-1998
			US	5949056		07-09-1999
			US	5850358		15-12-1998
			US	5914481		22-06-1999
			US	5465207		07-11-1995
			US	5457629		10-10-1995
			US	5928292		27-07-1999
			US	5895431	Α	20-04-1999
EP 0813974	Α	29-12-1997	AU	733378	B2	10-05-2001
			AU	2493397		08-01-1998
			CA	2207800		18-12-1997
•			DE	69719607		17-04-2003
			DE	69719607		12-02-2004
			ΕP	0813974		29-12-1997
						1L 1J3/
			JP	10052910		24-02-1998